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PTO/SB/21 (08-00)

Approved for use through 10/31/2002, OMB 0651-0031

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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/509,501
		Filing Date	September 28, 2004
		First Named Inventor	HANSE
		Group Art Unit	1725
		Examiner Name	LIN, Ing Hour
Total Number of Pages in This Submission	15	Attorney Docket Number	1396

## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s): (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Return Receipt Postcard
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<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Robert S. Klemz, Jr. Reg. No. 46,305
Signature	
Date	02/03/2006

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date:

Typed or printed name	Thomas C. Dunford
Signature	
Date	February 3, 2006

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	)	HANSE, et al.
	)	
Title	)	THERMAL SHOCK RESISTANT
	)	CASTING ELEMENT AND
	)	MANUFACTURING PROCESS THEREOF
Serial Number	)	10/509,501
	)	
Filing Date	)	September 28, 2004
	)	
Art Unit	)	1725
	)	
Examiner	)	Lin, Ing Hour
	)	
Attorney Docket No.	)	1396

**RESPONSE TO NOTICE OF NON-COMPLIANT AMENDMENT (37 CFR 1.121)**

To: Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Applicants hereby respond to the Notice of Non-Compliant Amendment mailed on January 10, 2006 setting a shortened statutory period of response of one month, thus bringing the deadline for response to February 10, 2006. The Director is authorized to charge all necessary fees to Deposit Account No. 220281.

The full text of the initial Response filed on December 30, 2005 is enclosed, with the deficiencies cited by the Legal Instruments Examiner having been corrected. Specifically, each section of the amendment now begins on its own page, and the status identifiers for each claim has been corrected.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

)

HANSE, et al.

Title

)

THERMAL SHOCK RESISTANT  
CASTING ELEMENT AND  
MANUFACTURING PROCESS THEREOF

Serial Number

)

10/509,501

Filing Date

)

September 28, 2004

Art Unit

)

1725

Examiner

)

Lin, Ing Hour

Attorney Docket No.

)

1396

**RESPONSE TO OFFICE ACTION PURSUANT TO 37 C.F.R. §1:111**

To: Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Applicants hereby respond to the Office Action mailed on September 27, 2005 setting a shortened statutory period of response of three months, thus bringing the deadline for response to December 27, 2005. The Director is authorized to charge all necessary fees to Deposit Account No. 220281.

In response to the Office Action mailed September 27, 2005, please consider the following remarks regarding the currently rejected claims.